TE-1000 Hi-Vol PAH Air Sample Data Form

Sample Information

Full Site Name: XACT N. PSCO VOID

Site Abbreviation XAC

Deployment No. 1

Clean Batch PUF Plug No. _____

Clean Batch Filter No. _____

Field Deployment and Recovery

Field *Deployment* Technician Name S. Keller

Setup Date/Time 4/5/21 / 1600 **Sample Run Date** 4/6/21

Magnehelic Gauge Setpoint 39.2

$$Magnehelic\ Gauge\ Setpoint = \left(\frac{P_{amb}}{T_{amb}} * \frac{T_{Std}}{P_{Std}}\right) * \left[\left(m_{hivol} * 0.225\frac{m^3}{min}\right) + b_{hivol}\right]^2$$

P_{amb} = Expected atmospheric pressure, mmHg
T_{amb} = Expected atmospheric temperature, K
m_{hivol} = Slope from Hi-Vol Calibration Worksheet
T_{Std} = Standard Temperature, 298 K
P_{Std} = Standard Pressure, 760 mmHg
b_{hivol} = Intercept from Hi-Vol Calibration Worksheet

Field *Recovery* Technician Name Skeller

Recovery Date/Time 4/6/21 15:00

	Elapsed Time
Initial	718.29
Final	730.98
Total Collection Time (min)	

	Magnehelic Gauge Reading
Initial	39.2 / 20
Final	19
Average Reading	

Sample Status: **VALID** **VOID** **(circle one)**

Site Observations

Run Day Temperatures: High 80 Low 56 Source: phone - weather channel

Run Day Precipitation: 0

Run Day Wind/Wind Direction: SSW 8 mph

Run Day Sky Cover: pt. cloudy

Unusual Events? (fires, major storms, construction, etc.): NPS - Burn

Maintenance

Check all that apply.

Weekly Checks:
- ☐ Power cords/plugs ok?
- ☐ Gaskets ok?
- ☐ Shelter ok?
- ☐ Tubing ok?
- ☐ Timer ok?
- ☐ Debris removed?

Monthly Checks: *(after 5th sample run of the month)*
- ☐ Sampling head cleaned with Kim wipes?
- ☐ Pictures of site logbook taken?
- ☐ Completed TE-1000 One-Point Flow Check Form?
- ☐ One-point flow verification within **±10%** of $Q_{Magnehelic}$ $(0.225\frac{m^3}{min})$?

Maintenance Notes: